**Lab Assignment 03**

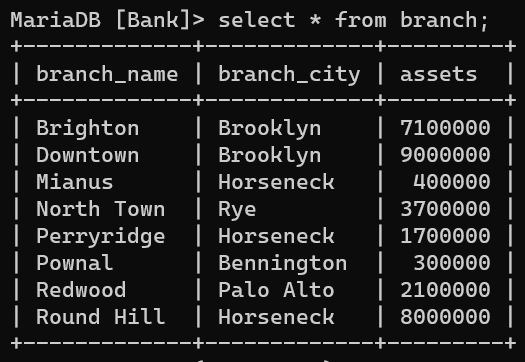
**Name** : Md. Tasnimul Hassan Khan Rafath

**Student ID** : 21201452

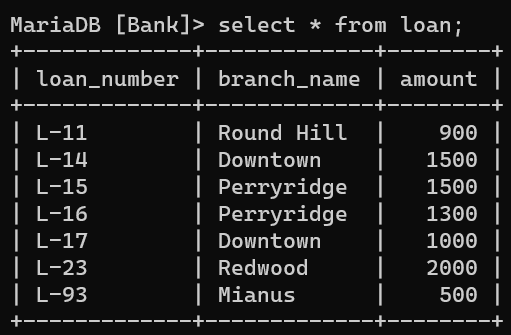
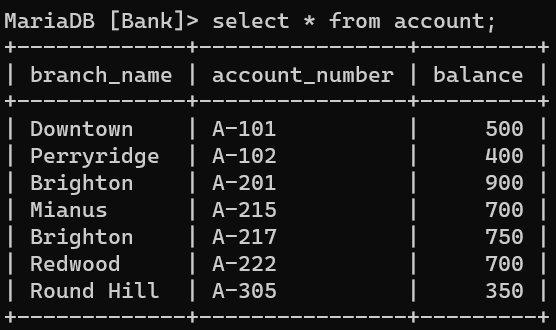
**Section**  : 07

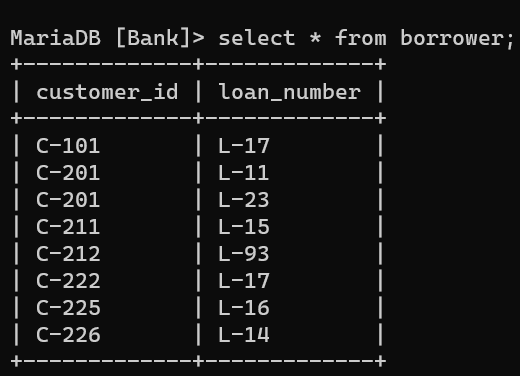
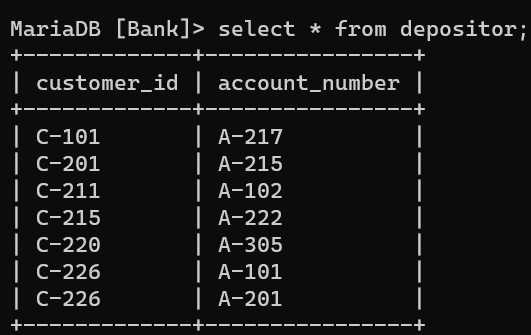
**MYSQL Commands**

After creating the bank database and inserting all the data in the respective tables of the bank database from lab03 data sheet:



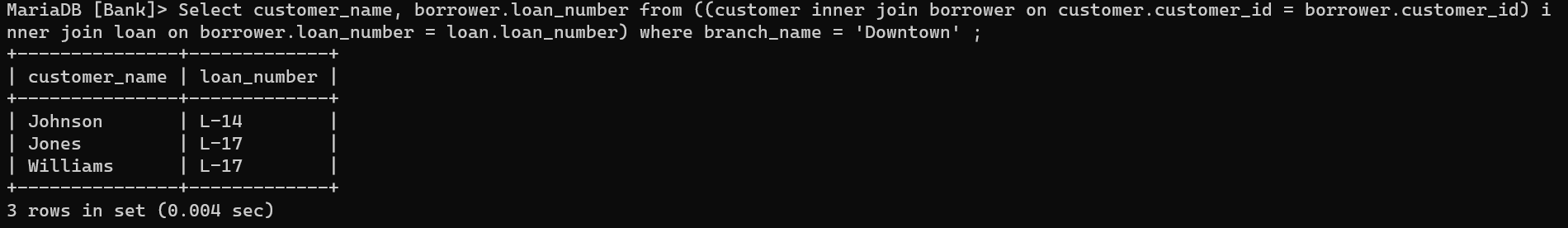






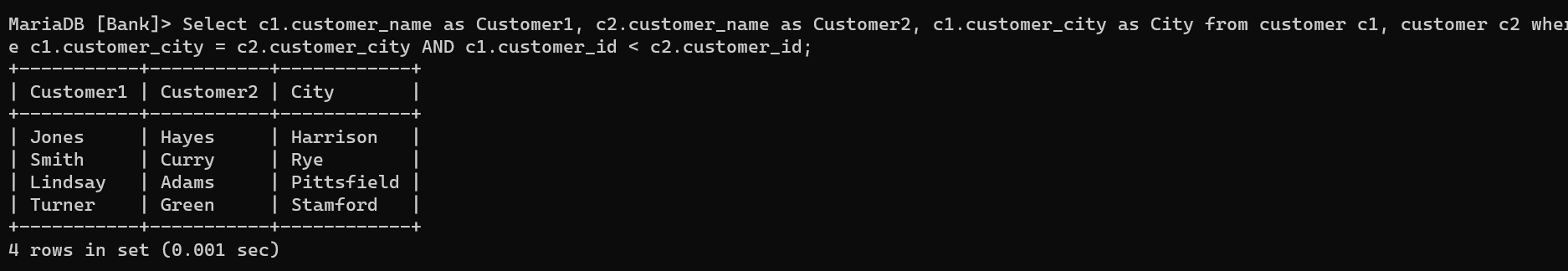
**Task 01:--------**

Select customer\_name, borrower.loan\_number from ((customer inner join borrower on customer.customer\_id = borrower.customer\_id) inner join loan on borrower.loan\_number = loan.loan\_number) where branch\_name = 'Downtown' ;



**Task 02:--------**

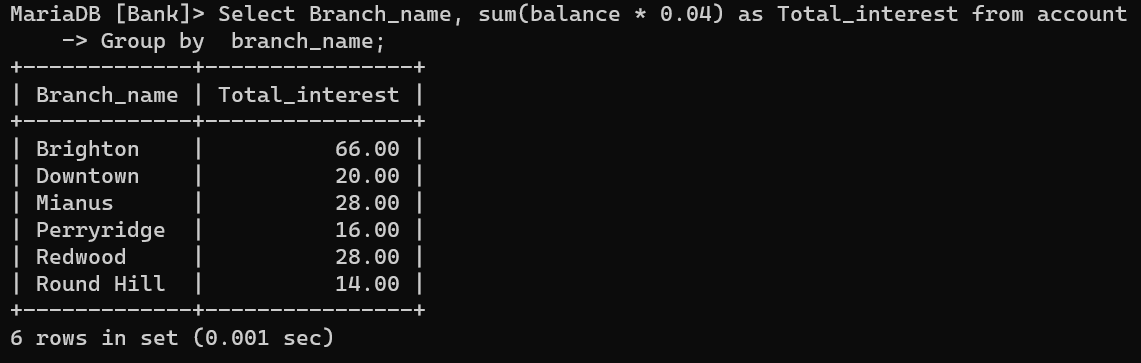
Select c1.customer\_name as Customer1, c2.customer\_name as Customer2, c1.customer\_city as City from customer c1, customer c2 where c1.customer\_city = c2.customer\_city AND c1.customer\_id < c2.customer\_id;



**Task 03:--------**

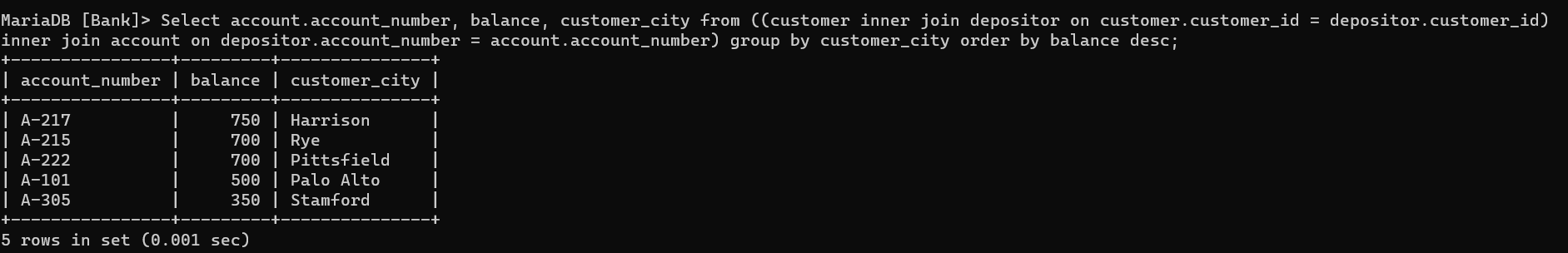
Select Branch\_name, sum(balance \* 0.04) as Total\_interest from account

Group by branch\_name;



**Task 04:--------**

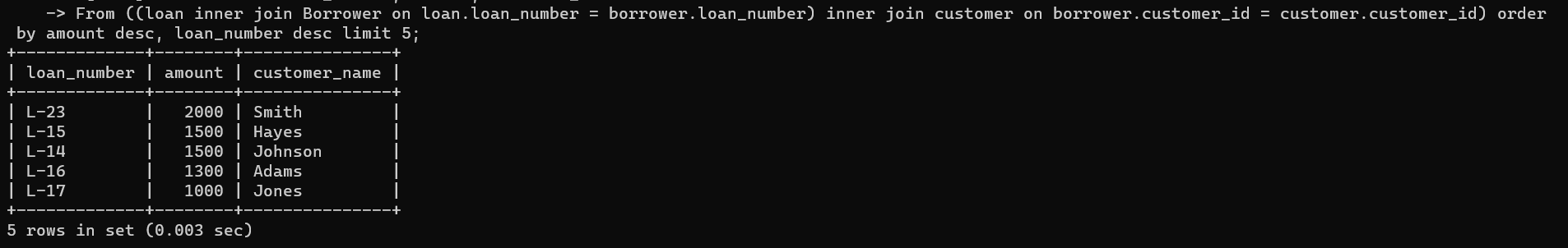
Select account.account\_number, balance, customer\_city from ((customer inner join depositor on customer.customer\_id = depositor.customer\_id) inner join account on depositor.account\_number = account.account\_number) group by customer\_city order by balance desc;



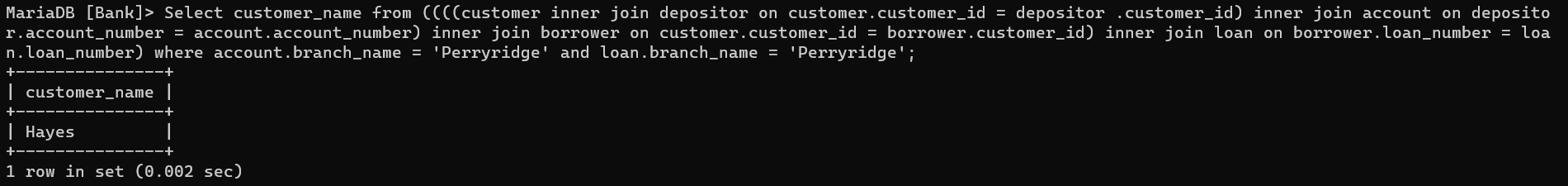
**Task 05:--------**

Select loan.loan\_number, amount, customer\_name

From ((loan inner join Borrower on loan.loan\_number = borrower.loan\_number) inner join customer on borrower.customer\_id = customer.customer\_id) order by amount desc, loan\_number desc limit 5;

**Task 06:--------**

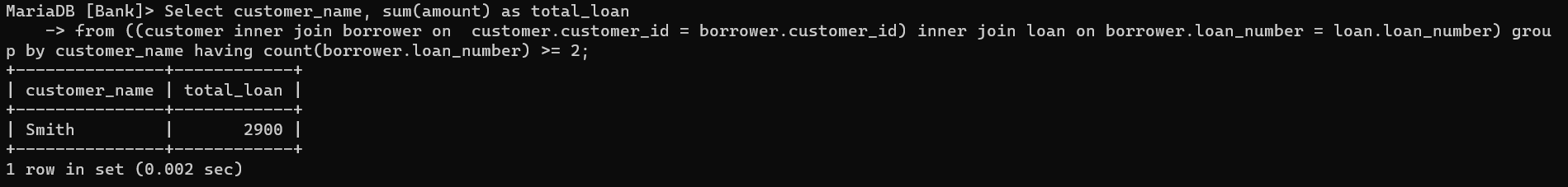
Select customer\_name from ((((customer inner join depositor on customer.customer\_id = depositor .customer\_id) inner join account on depositor.account\_number = account.account\_number) inner join borrower on customer.customer\_id = borrower.customer\_id) inner join loan on borrower.loan\_number = loan.loan\_number) where account.branch\_name = 'Perryridge' and loan.branch\_name = 'Perryridge';

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**Task 07:-------**

Select customer\_name, sum(amount) as total\_loan

from ((customer inner join borrower on customer.customer\_id = borrower.customer\_id) inner join loan on borrower.loan\_number = loan.loan\_number) group by customer\_name having count(borrower.loan\_number) >= 2;

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